# CSCE 4901 Capstone I

# Instructor: David Keathly

# Office: NTDP F202

# Phone: 940-565-4801

# Place: see Canvas course page

# Time: see Canvas course page

# Location: see Canvas course page

# Office Hours: See Canvas course page and by appointment

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### Course Catalog Description

Students demonstrate their mastery of the breadth of computer science learned in their studies. Focus is on the application of computer science techniques to the design of applications involving multiple software components. Students apply the theory acquired from numerous computer science courses to solve real-world design and developmental problems. The design considers realistic constraints including economic, environmental, critical thinking, technical writing and communications skills, and group management skills in completing their design and development project.

## Course Outcomes

1. Gather and refine user functional requirements and other functional and non-functional requirements and constraints for a large-scale software system and create a software requirements specification document.
2. Perform software analysis and design tasks using recognized software methods to create a preliminary design specification for software based on a requirements specification.
3. Utilize project management principles, skills and tools in creating the requirements and preliminary design specifications.
4. Create a project management plan, including a schedule and budget for a large-scale software project.
5. Utilize configuration management, project management and design tools in the course of the project.
6. Analyze and maintain appropriate project artifacts to reflect inclusive design and societal impact for the project sponsors, users, and other stakeholders.

**Textbook:**

*none*

### Prerequisites

CSCE CSCE 3444 with a grade of C or better

**Course Requirements:**

Attendance: Required

Exams: None

Project: The majority of the assignments in this course will relate to a large group project that will extend into the CSCE 4902 class in the spring semester

Assignments: There will be a few initial individual assignments and a number of group deliverables throughout the semester

**For More information**

Faculty Webpage: [fis.unt.edu](http://www.cse.unt.edu/~dkeathly) search [Keathly](http://fis.unt.edu/)

Class Web Page: Canvas

## Course Calendar

Subject to change, as needed

| ***Week*** | *Topics* | ***Due / Announcements*** |
| --- | --- | --- |
| Week 1 (8.18-) | Course Overview, teaming, start Project planning | Team Proposal List & Practice Kanban assign due Saturday @ 11:59pm |
| Week 2 (8.25-) | Project Selection, Requirements, Design | Project Proposal List due Saturday @ 11:59pm |
| Week 3 (9.1-) | Design, Testing, Accessibility | Assignment 2 due 11:59pm on Saturday |
| Week 4 (9.8-) | Work Week | Requirements doc, peer eval due Sat @ 11:59 pm; refer to Canvas for templates |
| Week 5 (9.15-) | Work Week | Assignment 3 due 11:59pm on Saturday |
| Week 6 (9.22-) | Sprint 0 Wrap-up check-ins/Sprint 1 starts | See Canvas for assigned meeting slot for check-ins; Sprint 0, Trello board updates, peer eval due by Sat. at 11:59pm; Submit Design doc for Sprint 1 by Saturday @ 11:59pm |
| Week 7 (9.29-) | Work Week |  |
| Week 8 (10.6-) | Work Week | Assignment 4: AI in SE due Saturday at 11:59pm |
| Week 9 (10.13-) | Sprint 1 Wrap-up check-ins/Sprint 2 starts | See Canvas for assigned meeting slot for check-ins; Sprint artifacts and Trello board updates, peer eval due by Sat. at 11:59pm |
| Week 10 (10.20-) | Work Week |  |
| Week 11 (10.27-) | Work Week |  |
| Week 12 (11.3-) | Sprint 2 Wrap-up check-ins/Sprint 3 starts | See Canvas for assigned meeting slot for check-ins; Sprint artifacts and Trello board updates, peer evals due by Sat. at 11:59pm |
| Week 13 (11.10-) | Work Week |  |
| Week 14 (11.17-) | Work Week (Tues)  Thanksgiving Holiday |  |
| Week 15 (11.24-) | *Thanksgiving Break – No Class* | |
| Week 16  (11.31 -) | Sprint 3 final meeting (Sprint 3 ends) | See Canvas for assigned meeting slot for check-ins; Sprint artifacts and Trello board updates, peer eval due by Thurs. at 11:59pm |
| Finals | Team Reflections | Submit Team Reflection Report by Tuesday @ 11:59pm |

**NOTE: It is expected that after Week 3, your Trello board will be up to date (it will be periodically checked); also after Sprint 0 you need to keep all project artifacts up-to-date**

### Grading Policy

**The various components of your grade are weighted as follows:**

|  |  |
| --- | --- |
| Team Project Deliverables | 55% |
| Individual Assignments | 15% |
| Team Reflection Report (Final) | 15% |
| Peer, Client, Instructor Performance Reviews and Attendance | 15% |
|  |  |

## Teaching Philosophy

This course is very hands-on, with the expectation that you will both apply material from prior courses as well as learn new skills as appropriate to your project. In order to truly benefit from the course you will want to be open to learning new development skills and technologies. In the beginning of the course you will get a quick review of key topics from 3444/4444, and the bulk of the course will be the project (which includes team meetings with the instructor and demos of progress).

## Course Technology & SkillsMinimum Technology Requirements

Provide a list of the minimum technology requirements for students, such as:

* Computer
* Reliable internet access
* Speakers (for any online meetings)
* Microphone (for any online meetings)
* Appropriate programming tools to support your project
* GitHub account (can be created during class)
* Trello account (can be created during class)
* Microsoft Office Suite
* [Canvas Technical Requirements](https://clear.unt.edu/supported-technologies/canvas/requirements) (https://clear.unt.edu/supported-technologies/canvas/requirements)

### Computer Skills & Digital Literacy

Provide a list of course-specific technical skills learners must have to succeed in the course, such as:

* Using Canvas
* Using email with attachments
* Downloading and installing software
* Using code repositories such as Github
* Ability to conduct college-level research in support of your project and relevant assignments.
* Using presentation and graphics programs

### Technical Assistance

### Part of working in the online environment involves dealing with the inconveniences and frustration that can arise when technology breaks down or does not perform as expected. Here at UNT we have a Student Help Desk that you can contact for help with Canvas or other technology issues.

### UIT Help Desk: [UIT Student Help Desk site](http://www.unt.edu/helpdesk/index.htm) (http://www.unt.edu/helpdesk/index.htm)

### Email: [helpdesk@unt.edu](mailto:helpdesk@unt.edu)

### Phone: 940-565-2324

### In Person: Sage Hall, Room 130

### Walk-In Availability: 8am-9pm

### Telephone Availability:

### Sunday: noon-midnight

### Monday-Thursday: 8am-midnight

### Friday: 8am-8pm

### Saturday: 9am-5pm

### Laptop Checkout: 8am-7pm

### For additional support, visit [Canvas Technical Help](https://community.canvaslms.com/docs/DOC-10554-4212710328) (https://community.canvaslms.com/docs/DOC-10554-4212710328)

### Rules of Engagement

Rules of engagement refer to the way students are expected to interact with each other and with their instructors. See these [Engagement Guidelines](https://clear.unt.edu/online-communication-tips) (https://clear.unt.edu/online-communication-tips) for more information

### Course Policies:

* ABSOLUTELY, NO LATE project assignments will be graded, unless specific arrangements are made with the instructor in advance.
* All assignments will be turned in by midnight on the date due. Assignments may be submitted on Canvas in the appropriate drop box unless otherwise indicated.
* ALL requests for extensions on assignments must be made prior to the due date, in person, and must be for a valid “emergency” reason. In extreme circumstances, contact after the due date may be accepted if there is a COMPELLING reason.
* Attendance is required, is part of your grade, and will be monitored in order to ensure that all groups operate at peak efficiency. You are responsible for all discussion, lecture and other information disseminated during the lecture period, regardless of whether you attend or not. You are also responsible for all team assignments made by your team lead and deliverable leads regardless of your attendance. You must provide documentation for excused absences for emergencies etc.
* *Project*:  The majority of the deliverables in this course will relate to a large group project that will completed based on client requirements.   You are expected to participate in ALL aspects of your team’s project (so not just coding, or not just writing docs).  Your effort, including that of coding, will be monitored (e.g. repository check-ins, peer evals and observations).  In particular, lack of coding on the project WILL RESULT in a large penalty to your project grade. BUT lack of helping out in a meaningful way on the written docs and related tasks WILL ALSO RESULT IN A LARGE PENALTY.
* Lectures and Project assignments are included in this syllabus. However, you should regularly check the class website, as well as take note of in-class announcements for changes in the schedule or assignments.
* You should plan to spend, on average, about 10-15 hours per week outside of the normal class meetings working on the various aspects of your project. As deadlines draw near, the time commitment may increase.

Professional Conduct and Ethical Responsibility:

You will be representing yourself, your team, the CSE Department and UNT as you conduct the activities needed to deliver your capstone project.  You are expected to conduct yourself professionally during team, class and sponsor interactions both verbally and in writing.  This responsibility carries through in the project as well.  Yes, you are learning new skills and applying what you have learned in other courses.  The ACM Code of Ethics, available at: https://ethics.acm.org/, reflects the expectations of your conduct in this course.  You are also expected to abide by the UNT Code of Conduct (discussed later in the syllabus).

Late WorkABSOLUTELY NO LATE work will be graded, unless specific arrangements are made with the instructor in advance with appropriate documentation. All assignments will be turned in by the designated date due. Assignments may be submitted on Canvas in the appropriate drop box unless otherwise indicated. ALL requests for extensions on assignments must be made prior to the due date, in person, and must be for a valid “emergency” reason. In extreme circumstances, contact after the due date may be accepted if there is a COMPELLING reason (and yes COVID counts).

### Collaboration and Cheating:

Collaboration among students in class is most certainly encouraged, as it is my belief that it provides a better learning environment, and required for team assignments. BUT THERE ARE RULES TO FOLLOW. All resources used should be clearly cited in written work of any kind, both individual and team, using appropriate references/documentation style as relevant to the item. While using existing API’s is a given nowadays, paying someone to code for you or taking a project and calling it your own is not appropriate. It is also not appropriate to make it look you are coding more than what you actually contributed.

For further details and clarifications regarding collaboration and cheating, view the university [Student Rights and Responsibilities web page.](http://www.unt.edu/csrr)

### Notes on the use of AI Tools and work performed by Others

In all academic work, the ideas and contributions of others must be appropriately acknowledged and work that is presented as original must be, in fact, original. Using an AI-content generator (such as ChatGPT, GitHub CoPilot, Cody, Ghostwrite and others) to complete coursework without proper attribution or authorization is a form of academic dishonesty. If you are unsure about whether something may be plagiarism or academic dishonesty, please contact your instructor to discuss the issue. Faculty, students, and administrative staff all share the responsibility of ensuring the honesty and fairness of the intellectual environment.

It will be expected that you will use these tools in your project, however we will have deliverables to go with this expectation. The degree will vary by project and your interest. Having experience is expected nowadays and will give you new/more skills that will help you as you start your career. Given that, you will be expected to be honest with your use of said tools and that you will be expected to know what the code or other material does, and that it is correct/accurate and follows best practices for the item that it is connected to (e.g. code, testing, a written document). More information will be provided in the Project and Assignments in Canvas.

**Student Evaluation of Teaching Effectiveness (SETE)**

The Student Evaluation of Teaching Effectiveness (SETE) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught.  I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider the SETE to be an important part of your participation in this class

### ADA:

UNT complies with all federal and state laws and regulations regarding discrimination including the Americans with Disability Act of 1990 (ADA). If you have a disability and need a reasonable accommodation for equal access to education or services please contact the Office of Disability Accommodation.

Instructor Responsibilities and FeedbackAs the instructor, I want you to succeed and graduate. To do so I will guide you in your project and advise you as needed. I try to provide clear instructions on the assignments and deliverables though there will be differences in how something may be represented due to your project. I (and the TA’s) will answer questions about assignments, identify additional resources as necessary, provide grading rubrics for possible, as well as review and update course content.

* Grading project deliverables and assignments can be time consuming given the size of the class, but the TA’s and I strive to get grades back within 1-1.5 weeks of submission. Grades and comments/feedback are provided in Canvas.
* Emails to the instructor are answered within 24 hours, often earlier assuming the email is received before 5pm on the day (during the week). The instructor checks discussion board posts every day or two. If an immediate answer is needed, you should send an email to the instructor. The TA will generally answer a student email within 24 hours. When contacting either the instructor or TA’s please include your class, section and team name in the subject line (e.g. CSCE 4901-01 Team A: Deliverable 1 grade question).

Syllabus Change PolicyThe instructor reserves the right to change the course as needed, specifically (though not limited to) the case of topics, due dates, and assignments/assessment items. Any changes are done after careful consideration of the class/learning.

## UNT Policies

### Academic Integrity Policy

Academic Integrity Standards and Consequences. According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, plagiarism, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University. [Insert specific sanction or academic penalty for specific academic integrity violation.]

### ADA Policy

UNT makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide a student with an accommodation letter to be delivered to faculty to begin a private discussion regarding one’s specific course needs. Students may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet with each faculty member prior to implementation in each class. For additional information see the [ODA website](https://disability.unt.edu/) (<https://disability.unt.edu/>).

### Prohibition of Discrimination, Harassment, and Retaliation (Policy 16.004)

The University of North Texas (UNT) prohibits discrimination and harassment because of race, color, national origin, religion, sex, sexual orientation, gender identity, gender expression, age, disability, genetic information, veteran status, or any other characteristic protected under applicable federal or state law in its application and admission processes; educational programs and activities; employment policies, procedures, and processes; and university facilities. The University takes active measures to prevent such conduct and investigates and takes remedial action when appropriate.

### Emergency Notification & Procedures

UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). In the event of a university closure, please refer to Canvas for contingency plans for covering course materials.

### Retention of Student Records

Student records pertaining to this course are maintained in a secure location by the instructor of record. All records such as exams, answer sheets (with keys), and written papers submitted during the duration of the course are kept for at least one calendar year after course completion. Course work completed via the Canvas online system, including grading information and comments, is also stored in a safe electronic environment for one year. Students have the right to view their individual record; however, information about student’s records will not be divulged to other individuals without proper written consent. Students are encouraged to review the Public Information Policy and the Family Educational Rights and Privacy Act (FERPA) laws and the University’s policy. See UNT Policy 10.10, Records Management and Retention for additional information.

### Acceptable Student Behavior

Student behavior that interferes with an instructor’s ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Dean of Students to consider whether the student's conduct violated the Code of Student Conduct. The University's expectations for student conduct apply to all instructional forums, including University and electronic classroom, labs, discussion groups, field trips, etc. Visit UNT’s [Code of Student Conduct](https://deanofstudents.unt.edu/conduct) (https://deanofstudents.unt.edu/conduct) to learn more.

### Access to Information - Eagle Connect

Students’ access point for business and academic services at UNT is located at: [my.unt.edu](https://my.unt.edu/). All official communication from the University will be delivered to a student’s Eagle Connect account. For more information, please visit the website that explains Eagle Connect and how to forward e-mail [Eagle Connect](https://it.unt.edu/eagleconnect) (https://it.unt.edu/eagleconnect).

### Student Evaluation Administration Dates

Student feedback is important and an essential part of participation in this course. The student evaluation of instruction is a requirement for all organized classes at UNT. The survey will be made available during weeks 13, 14 and 15 of the long semesters to provide students with an opportunity to evaluate how this course is taught. Students will receive an email from "UNT SPOT Course Evaluations via IASystem Notification" ([no-reply@iasystem.org](file:///C:\Users\jdl0126\AppData\Local\Temp\OneNote\16.0\NT\0\no-reply@iasystem.org)) with the survey link. Students should look for the email in their UNT email inbox. Simply click on the link and complete the survey. Once students complete the survey they will receive a confirmation email that the survey has been submitted. For additional information, please visit the [SPOT website](http://spot.unt.edu/) (http://spot.unt.edu/) or email [spot@unt.edu](file:///C:\Users\jdl0126\AppData\Local\Temp\OneNote\16.0\NT\0\spot@unt.edu).

### Survivor Advocacy

UNT is committed to providing a safe learning environment free of all forms of sexual misconduct. Federal laws and UNT policies prohibit discrimination on the basis of sex as well as sexual misconduct. If you or someone you know is experiencing sexual harassment, relationship violence, stalking and/or sexual assault, there are campus resources available to provide support and assistance. The Survivor Advocates can be reached at [SurvivorAdvocate@unt.edu](mailto:SurvivorAdvocate@unt.edu) or by calling the Dean of Students Office at 940-5652648.

### Important Notice for F-1 Students taking Distance Education Courses

**Federal Regulation**

To read detailed Immigration and Customs Enforcement regulations for F-1 students taking online courses, please go to the [Electronic Code of Federal Regulations website](http://www.ecfr.gov/) (http://www.ecfr.gov/). The specific portion concerning distance education courses is located at Title 8 CFR 214.2 Paragraph (f)(6)(i)(G).

The paragraph reads:

(G) For F-1 students enrolled in classes for credit or classroom hours, no more than the equivalent of one class or three credits per session, term, semester, trimester, or quarter may be counted toward the full course of study requirement if the class is taken on-line or through distance education and does not require the student's physical attendance for classes, examination or other purposes integral to completion of the class. An on-line or distance education course is a course that is offered principally through the use of television, audio, or computer transmission including open broadcast, closed circuit, cable, microwave, or satellite, audio conferencing, or computer conferencing. If the F-1 student's course of study is in a language study program, no on-line or distance education classes may be considered to count toward a student's full course of study requirement.

**University of North Texas Compliance**

To comply with immigration regulations, an F-1 visa holder within the United States may need to engage in an on-campus experiential component for this course. This component (which must be approved in advance by the instructor) can include activities such as taking an on-campus exam, participating in an on-campus lecture or lab activity, or other on-campus experience integral to the completion of this course.

If such an on-campus activity is required, it is the student’s responsibility to do the following:

(1) Submit a written request to the instructor for an on-campus experiential component within one week of the start of the course.

(2) Ensure that the activity on campus takes place and the instructor documents it in writing with a notice sent to the International Student and Scholar Services Office. ISSS has a form available that you may use for this purpose.

Because the decision may have serious immigration consequences, if an F-1 student is unsure about his or her need to participate in an on-campus experiential component for this course, s/he should contact the UNT International Student and Scholar Services Office (telephone 940-565-2195 or email [internationaladvising@unt.edu](mailto:internationaladvising@unt.edu)) to get clarification before the one-week deadline.

### Student Verification

UNT takes measures to protect the integrity of educational credentials awarded to students enrolled in distance education courses by verifying student identity, protecting student privacy, and notifying students of any special meeting times/locations or additional charges associated with student identity verification in distance education courses.

See [UNT Policy 07-002 Student Identity Verification, Privacy, and Notification and Distance Education Courses](https://policy.unt.edu/policy/07-002) (https://policy.unt.edu/policy/07-002).

### Use of Student Work

A student owns the copyright for all work (e.g. software, photographs, reports, presentations, and email postings) he or she creates within a class and the University is not entitled to use any student work without the student’s permission unless all of the following criteria are met:

* The work is used only once.
* The work is not used in its entirety.
* Use of the work does not affect any potential profits from the work.
* The student is not identified.
* The work is identified as student work.

If the use of the work does not meet all of the above criteria, then the University office or department using the work must obtain the student’s written permission.

Download the UNT System Permission, Waiver and Release Form

**Transmission and Recording of Student Images in Electronically-Delivered Courses**

1. No permission is needed from a student for his or her image or voice to be transmitted live via videoconference or streaming media, but all students should be informed when courses are to be conducted using either method of delivery.
2. In the event an instructor records student presentations, he or she must obtain permission from the student using a signed release in order to use the recording for future classes in accordance with the Use of Student-Created Work guidelines above.
3. Instructors who video-record their class lectures with the intention of re-using some or all of recordings for future class offerings must notify students on the course syllabus if students' images may appear on video. Instructors are also advised to provide accommodation for students who do not wish to appear in class recordings.

Example: This course employs lecture capture technology to record class sessions. Students may occasionally appear on video. The lecture recordings will be available to you for study purposes and may also be reused in future course offerings.

No notification is needed if only audio and slide capture is used or if the video only records the instructor's image. However, the instructor is encouraged to let students know the recordings will be available to them for study purposes.

### Class Recordings & Student Likenesses (if we have any)

Synchronous (live) sessions in this course will be recorded for students enrolled in this class section to refer to throughout the semester. Class recordings are the intellectual property of the university or instructor and are reserved for use only by students in this class and only for educational purposes. Students may not post or otherwise share the recordings outside the class, or outside the Canvas Learning Management System, in any form. Failing to follow this restriction is a violation of the UNT Code of Student Conduct and could lead to disciplinary action.

## Academic Support & Student Services

### Student Support Services

#### Mental Health

UNT provides mental health resources to students to help ensure there are numerous outlets to turn to that wholeheartedly care for and are there for students in need, regardless of the nature of an issue or its severity. Listed below are several resources on campus that can support your academic success and mental well-being:

* [Student Health and Wellness Center](https://studentaffairs.unt.edu/student-health-and-wellness-center) (https://studentaffairs.unt.edu/student-health-and-wellness-center)
* [Counseling and Testing Services](https://studentaffairs.unt.edu/counseling-and-testing-services) (https://studentaffairs.unt.edu/counseling-and-testing-services)
* [UNT Care Team](https://studentaffairs.unt.edu/care) (https://studentaffairs.unt.edu/care)
* [UNT Psychiatric Services](https://studentaffairs.unt.edu/student-health-and-wellness-center/services/psychiatry) (https://studentaffairs.unt.edu/student-health-and-wellness-center/services/psychiatry)
* [Individual Counseling](https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling) (https://studentaffairs.unt.edu/counseling-and-testing-services/services/individual-counseling)

#### Chosen Names

A chosen name is a name that a person goes by that may or may not match their legal name. If you have a chosen name that is different from your legal name and would like that to be used in class, please let the instructor know. Below is a list of resources for updating your chosen name at UNT.

* [UNT Records](https://registrar.unt.edu/transcripts-and-records/update-your-personal-information)
* [UNT ID Card](https://sfs.unt.edu/idcards)
* [UNT Email Address](https://sso.unt.edu/idp/profile/SAML2/Redirect/SSO;jsessionid=E4DCA43DF85E3B74B3E496CAB99D8FC6?execution=e1s1)
* [Legal Name](https://studentaffairs.unt.edu/student-legal-services)

*\*UNT euIDs cannot be changed at this time. The collaborating offices are working on a process to make this option accessible to UNT community members.*

#### Pronouns

Pronouns (she/her, they/them, he/him, etc.) are a public way for people to address you, much like your name, and can be shared with a name when making an introduction, both virtually and in-person. Just as we ask and don’t assume someone’s name, we should also ask and not assume someone’s pronouns.

You can [add your pronouns to your Canvas account](https://community.canvaslms.com/docs/DOC-18406-42121184808) so that they follow your name when posting to discussion boards, submitting assignments, etc.

Below is a list of additional resources regarding pronouns and their usage:

* [What are pronouns and why are they important?](https://www.mypronouns.org/what-and-why)
* [How do I use pronouns?](https://www.mypronouns.org/how)
* [How do I share my pronouns?](https://www.mypronouns.org/sharing)
* [How do I ask for another person’s pronouns?](https://www.mypronouns.org/asking)
* [How do I correct myself or others when the wrong pronoun is used?](https://www.mypronouns.org/mistakes)

#### Additional Student Support Services

* [Registrar](file:///C:\Users\jdl0126\AppData\Local\Temp\OneNote\16.0\NT\0\Registrar) (https://registrar.unt.edu/registration)
* [Financial Aid](https://financialaid.unt.edu/) (https://financialaid.unt.edu/)
* [Student Legal Services](https://studentaffairs.unt.edu/student-legal-services) (https://studentaffairs.unt.edu/student-legal-services)
* [Career Center](https://studentaffairs.unt.edu/career-center) (https://studentaffairs.unt.edu/career-center)
* [Multicultural Center](https://edo.unt.edu/multicultural-center) (https://edo.unt.edu/multicultural-center)
* [Counseling and Testing Services](https://studentaffairs.unt.edu/counseling-and-testing-services) (https://studentaffairs.unt.edu/counseling-and-testing-services)
* [Pride Alliance](https://edo.unt.edu/pridealliance) (https://edo.unt.edu/pridealliance)
* [UNT Food Pantry](https://deanofstudents.unt.edu/resources/food-pantry) (https://deanofstudents.unt.edu/resources/food-pantry)

### Academic Support Services

* [Academic Resource Center](https://clear.unt.edu/canvas/student-resources) (https://clear.unt.edu/canvas/student-resources)
* [Academic Success Center](https://success.unt.edu/asc) (https://success.unt.edu/asc)
* [UNT Libraries](https://library.unt.edu/) (https://library.unt.edu/)
* [Writing Lab](http://writingcenter.unt.edu/) (<http://writingcenter.unt.edu/>)